Manitoba Data Services

ANNUAL
REPORT
1988

89-05931/

14TH ANNUAL REPORT

For the fiscal period ended December 31, 1988

CORPORATE PROFILE

Manitoba Data Services (MDS) is a commission of the Province of Manitoba, operating as a service bureau providing computer services and products to government departments, agencies, Crown corporations and government-supported institutions, such as hospitals and police departments.

We have provided data processing services to the province since 1959, initially as a branch of the Department of Finance. In 1975 MDS became a subsidiary of the Manitoba Telephone System, and in 1979, by an act of the Manitoba legislature, was established as an independent commission.

The president and general manager and three vice-presidents form the Executive and report to the Board of Commissioners and the cabinet minister responsible for the commission.

Service to clients is delivered through three corporate divisions: Operations Support Services, Client Support Services and Corporate Services. The Operations Support Services Division is responsible for installing, maintaining and managing MDS hardware and software. The Client Support Services Division provides consulting services and assistance to clients in planning their data processing needs and solving related day-to-day problems. Administrative, accounting and human resources functions form the Corporate Services Division.

MDS operates under Multiple Virtual Storage - XA(MVS/XA) with Job Entry Subsystem type 3 (JES3) on an IBM 3090 Model 200S central processing unit and an IBM 3090 Model 400E central processing unit. In March 1987, a Unisys Model A12 computer was installed, the first non-IBM computer operating at MDS, followed by the installation of a second A12 computer in February 1988. We support numerous peripheral units based on clients' service delivery needs such as printers, magnetic tape drives, disk drives, and an extensive terminal network.

As part of our service bureau role, we offer our clients planning and support for online configurations, telecommunications, transmission requirements and equipment selection. This service includes telecommunication test-bench facilities and 24-hour terminal and online access problem resolution.

Because we operate one of the larger online IMS data base networks in Western Canada, we are able to offer our clients extensive expertise in the area of online data base management systems and monitors, such as CICS and IMS. For interactive program development and processing, we provide a time-sharing subsystem.

Our broad selection of application software provides clients with a wide range of options, from programmer products such as data base management systems and programming languages to graphics and statistical products, retrieval/reporting systems and a variety of end-user products. New software releases are continually installed to improve service delivery to our clients.

Additional services available to clients include:

- Data processing requirements consulting
- Information Centre services for clients' end users
- Assistance in buying/leasing and installing equipment
- Project planning expertise
- Computer-based training and classroom courses

Since our inception, we have continued to expand our service capability consistent with new developments in the data processing industry and relative to our clients' evolving needs.

BUSINESS PURPOSE

The Manitoba Data Services Act states that: "The aim and object of the Commission is to provide and maintain computer and data processing services available to the government, government agencies and government supported institutions and, subject to this Act, other persons."

This aim and object has been further developed by the Executive and Board into a number of mission statements that collectively define the business purpose of Manitoba Data Services:

- To provide computer related products and services to the Manitoba public sector
- To be financially self-sufficient
- To establish technical expertise and competence which will provide leadership and direction to the Manitoba Government in computer technology and will develop a reputation comparable to successful similar enterprises in Canada
- To offer computer related products and services which facilitate the achievement of productivity gains by its clients
- To make available efficient and effective computer services throughout Manitoba as is economically feasible
- To operate a business that provides a source of high technology employment in Manitoba
- To make available computer related services which might otherwise be provided from outside of Manitoba

June 1, 1989

The Honourable George Johnson
Lieutenant-Governor of the Province of Manitoba

Sir:
I have the honour of respectfully submitting to you the Annual Report of Manitoba Data Services for the fiscal period ended December 31, 1988.

Clayton Manness
Minister Responsible for Manitoba Data Services

May 31, 1989

The Honourable Clayton Manness
Minister Responsible for Manitoba Data Services
Legislative Building
Winnipeg, Manitoba

Dear Sir:
In accordance with the Manitoba Data Services Act, I am pleased to present the Annual Report for Manitoba Data Services for the fiscal period ended December 31, 1988.

Yours truly,

R. M. Silver
Chairperson for Manitoba Data Services

ANNUAL REPORT OF THE PRESIDENT AND GENERAL MANAGER

In 1988, Manitoba Data Services (MDS) achieved its ninth consecutive year of positive operating results, reporting a net income of $2,202,000 on revenues exceeding $30 million.

This continuing financial strength enabled the corporation to announce a five per cent reduction—effective January 1, 1988—to its schedule of rates. Since 1981 we have announced nine rate reductions, the result being that a unit of computing which clients paid one dollar for in 1981 now costs them only 45.6 cents. These reductions reflect the combined effects of a growing demand for our services together with the success of a number of initiatives we have taken to improve cost effectiveness.

While revenues increased by 11.9 per cent in 1988, adjusting for the rate reduction shows a real growth in service demand of 17.5 per cent. This encouraging rate of expansion is even more dramatically illustrated by the growth in demand for the online services component of our business. By November 1988 the number of queries per month for Time Sharing, CICS and IMS had increased to 14.1 million from the previous year's monthly query load of 10 million. This represents a 41 per cent growth rate in one year .

Quality of Service Improves

At MDS, improving the quality of service and increasing the operating efficiency continue to be our highest priorities . And key service indicators provide a measure of the success we experienced during 1988.

One project which contributed substantially to these results is an automated operations program begun this year. Geared to minimize the level of human interaction in the operation of the installed computer systems, it uses predictive indicators and past experience to respond to various events and situations. The results, even in the early phases, are most encouraging.

Automated operations has, for example, made it possible to reduce the number of staff per shift from eight to five—an accomplishment all the more remarkable in that the shift operations staff shouldered the added responsibility for the newly installed Unisys system during this period. As well, comparative analysis shows the program has improved overall service availability, with Network Services rising to 99.8 per cent this year from the previous level of 99.4 per cent. At the same time, Batch and Time Sharing service performance levels improved to 99.6 per cent from 99.2 per cent.

Restructuring the service delivery process also improved service availability in 1988. Until this year, all services were delivered by a "single computer image"—a method that forced all offerings to compete for the available resources. Separating Online Systems from Batch and Time Sharing services to their own dedicated computer reduced system failures from the previous average of 28 prime shift outages per year to 10 in 1988. (See Prime Shift Unscheduled IPLs graph page 12.)

Another service quality improvement implemented this year resulted from replacing traditional magnetic tape technology—based on the familiar tape reels—with the newer, cassette system of tape storage. In addition to yielding the anticipated operational efficiencies, this changeover decreased the number of job reruns necessitated by tape transport failures from an average of 15 per month before the conversion, to fewer than one per month afterward.

Health Care Initiative Continues

During 1988, MDS continued to support the Province's Health Care Initiative. As forecast in 1987, both St. Boniface General Hospital and Brandon General Hospital were successfully implemented on Unisys-based hospital administrative systems. Both hospitals are now planning the extension of this service offering to other facets of their administrative process. We expect this feature of our business to grow substantially in the next year; implementation of the Unisys offering at The Salv tion Army Grace Hospital and The Pas Health Complex is planned by mid-1989.

Late in 1988, the Honourable Clayton Manness, Minister Responsible for Manitoba Data Services, announced a new initiative that will see the corporation move into a market venture that, in both scope and content, will be unique in Canada. In co-operation with several provincial government departments and the Manitoba legal profession, a comprehensive online service is being made available to provide public access to a broad range of government data bases. This new service is expected to be of particular value and interest to law firms and financial institutions.

Early indications predict the number of subscribers for this new offering will reach several hundred in 1989. The unique aspect of this venture allows access to a range of government services through a common delivery system. While additional applications will be incorporated over the next several years, the offering currently provides direct access to the Provincial Land Titles, the Court of Queen's Bench, the Company Names Registry, Hansard, Manitoba Statutes, the Mining Recording System, and the Personal Properties Registry.

Technological Changes

In response to a diminished need for data preparation services—a situation caused by increased use of online systems—MDS discontinued a service offering it had been providing to clients for 30 years. Whereas in the mid-1970s the demand for data preparation required a staff of 30 key entry operators, by this year, with only enough work for three employees, it had become uneconomical . As other options exist for the remaining users, this section was closed on May 30.

Changes also occurred on our Board of Commissioners during 1988, with the appointment of Rees M. Jones, Chris R. Medland, and Rod B. Pennycook who will serve as vice-chairman. Dave M. Olinyk and Michael S. Doyle completed their appointments this year. Having served on the Board since it was established in 1979, Dr. Doyle has played an active and highly effective role on a number of committees. Another change saw the employee representatives on the Board of Commissioners, Melissa E. Pidsadny and Peter R. Aimce, named in ex officio capacity.

As in previous years, the management has benefitted from the strong counsel and support of the Board of Commissioners. Similarly, the dedication and skill of staff at all levels throughout the corporation made 1988 a successful year for Manitoba Data Services.

Board of Commissioners

Manitoba Data Services Board of Commissioners. Back row from left are: Rod Pennycook, Murray Fraser, Christopher Medland, Dennis Wardrop. Front row: Rees Jones (left), and Robert Silver.

Executive Officers

Manitoba Data Services Executive Officers. Back row: Gary Campbell (left), Vice President, Corporate Services, and Norm Shakespeare, Vice President, Operations Support Services. Front row: Jim Chalmers, President and General Manager, and Jim Jones, Vice President, Client Support Services.

OPERATIONS REVIEW

- Reduced rates by five per cent.
- Online transactions grew to 14.1 million transactions per month from 10 million transactions per month.
- Batch and Time Sharing service performance levels reached 99.6 per cent, up from 99.2 per cent in 1987.
- Completed a successful automated operations pilot project, which led to the development and installation of such software products as: MVS Operations Monitor (MOM), the MDS Automated Operations Facility (MDS AOF) and the Execution Scheduling Processor. The program reduced the number of staff needed per shift from eight to five.
- Installed a second Unisys Model A12 computer to support the provincial government's Health Care Automation Initiative.
- St. Boniface General and Brandon General hospitals converted to Unisys-based hospital administrative systems.
- MDS worked with clients to develop the Public Access Service (PAS), an online service that provides the general public and our clients with access to several government data bases.
- Network Services product was installed in February 1988, providing clients with a simplified procedure for signing on to the MDS host computer and moving between sessions without having to sign off one to access another.
- Conversion to 3480 cartridge tape subsystem from 3420 reel tape was completed. This change resulted in a 20 per cent increase in file capacity per cartridge.
- Further enhancements were made to our storage capabilities with the installation of 16 volumes of triple density Direct Access Storage Devices (DASD). The move to triple density lowers our administrative and support costs, which results in reduced data storage costs for clients.
- Continued growth was realized in 1988 in the use of Personal Services and Personal Manager, the electronic messaging and calendaring product. Transactions increased from 800,000 in January 1988 to 1.4 million in December 1988.
- The corporation announced the availability of the MDS Newsletter online. Contents are stored in a data base that clients may view from their terminals.
- In keeping with 1985 provincial government legislation, MDS introduced a pay equity program. Adjustments were made to 33 incumbents' salaries in 17 positions. As well, a new system was established for evaluating positions to ensure equity in the future.
- In co-operation with Digital Canada and Computerland, the End User Systems Support Group set up a project to show clients the many possibilities for connecting to our host computer. A local area network of IBM and Apple microcomputers and a Digital MicroVax 2000 minicomputer was connected to the host.
- MDS received the United Way Leadership Award for the fifth consecutive year. Staff contributed $18,324, an eight per cent increase over 1987. Combined with the corporation's matching grant, the total donation was $36,649.
- Clients participated in 862 days of MDS education and training events and took 1,932 hours of computer-based training. Education and training events include classroom courses, MDS A.M., product overviews, and satellite seminars.
- Executive education efforts continued with the hosting of the second annual Productivity and Technology Seminar in September. The seminar, jointly sponsored with the Information Systems Support Branch (ISSB), attracted more than 50 senior civil service executives.

FINANCIAL REVIEW

- Revenues for 1988 reached $30.1 million, an 11 per cent increase over 1987.
- Expenses were $27.9 million.
- Net income was $2.2 million.
- Retained earnings amounted to $8.9 million in 1988.

AUDITOR'S REPORT

We have examined the statement of financial position of Manitoba Data Services as at December 31, 1988, the statements of operations and retained earnings, and changes in cash resources for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of Manitoba Data Services as at December 31, 1988, and the results of its operations and the changes in its cash resources for the year then ended in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding period.

F. H. Jackson, CA
Provincial Auditor.

March 17, 1989
Winnipeg, Manitoba.

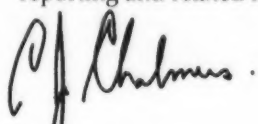
MANAGEMENT REPORT

Management is responsible to the Board of Commissioners for the financial statements of the Commission, which have been prepared in accordance with generally accepted accounting principles. Financial information presented elsewhere in this Annual Report is consistent with that contained in the financial statements.

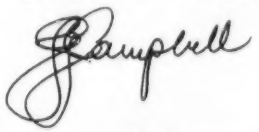
The Commission maintains a system of internal control designed to provide management with reasonable assurance that client data and other assets are safeguarded and that reliable operating and financial records are maintained. This system includes written policies and procedures, an internal audit program, and an organizational structure which provides for appropriate delegation of authority and segregation of responsibilities. The Commission has also instituted policies and guidelines which require employees to maintain the highest of ethical standards.

The Provincial Auditor, whose report based upon an examination of the financial statements is enclosed, also reviews the Commission's system of internal control in accordance with generally accepted auditing standards for the purpose of expressing an opinion on the financial statements.

The Board of Commissioners has reviewed and approved these financial statements. To assist the Board in meeting its responsibility, it has appointed an Audit Committee which meets with management and with the Provincial Auditor jointly and separately, to review audit, financial reporting and related matters.



C. J. Chalmers
President and General Manager



J. G. Campbell
Vice President, Corporate Services Division

Statement of Operations and Retained Earnings

In thousands of dollars, year ended (Note 12)	December 31 1988	(9 months) December 31 1987
REVENUES		
Data processing	$25 379	$18 609
Health-care program costs recoverable (Note 10)	3 596	986
Interest income	784	535
Miscellaneous (Note 3)	367	141
	30 126	20 271
EXPENSES		
Salaries and administration	11 763	8 136
Computer equipment and software — rental and maintenance	10 522	5 565
Depreciation and amortization	3 924	2 610
Pension and vested sick leave (Note 4)	973	537
Interest		
— Government of the Province of Manitoba (Note 5)	688	298
— Capital equipment leases	126	392
Gain on disposal of computer equipment	(72)	(1 432)
	27 924	16 106
NET EARNINGS	2 202	4 165
Client refund	—	3 000
Transferred to Retained Earnings	2 202	1 165
RETAINED EARNINGS — BEGINNING OF YEAR	6 703	5 538
RETAINED EARNINGS — END OF YEAR	$ 8 905	$ 6 703

The accompanying notes are an integral part of these statements

Statement of Financial Position

ASSETS

In thousands of dollars, as at	December 31 1988	December 31 1987
CURRENT ASSETS		
Cash	$ 860	$ 852
Accounts receivable	3 401	3 143
Temporary deposits with the Minister of Finance, Government of the Province of Manitoba, at cost		
— Designated to fund client refund	—	3 000
— Undesignated	1 744	19
Prepaid expenses	16	90
	6 021	7 104
FIXED ASSETS (Note 6)	8 395	9 535
OTHER ASSETS		
Proprietary software (Note 7)	1 607	1 925
Long-term accounts receivable (Note 9)	1 935	626
Retirement Plans Fund (Note 4)	5 656	4 881
	9 198	7 432
	$23 614	$24 071

The accompanying notes are an integral part of these statements

Approved on behalf of the Board
April 17, 1989

R. B. Pennycook
Vice Chairman

R. M. Fraser
Chairman, Audit Committee

LIABILITIES AND RETAINED EARNINGS

In thousands of dollars, as at	December 31 1988	December 31 1987
CURRENT LIABILITIES		
Accounts payable	$ 712	$ 1 900
Principal due within one year on advances from the Government of the Province of Manitoba	630	338
Principal due within one year on capital equipment leases (Note 8)	719	386
Client refund	—	3 000
	2 061	5 624
LONG-TERM LIABILITIES		
Retirement Plans (Note 4)	6 380	5 446
Advances from the Government of the Province of Manitoba (Note 5) — General	1 082	—
— Health-care program equipment	4 865	5 243
Capital equipment leases (Note 8)	321	1 055
	12 648	11 744
RETAINED EARNINGS	8 905	6 703
	$23 614	$24 071

The accompanying notes are an integral part of these statements

Statement of Changes in Cash Resources

In thousands of dollars, year ended (Note 12)	December 31 1988	(9 months) December 31 1987
OPERATIONS		
Receipts		
Data processing and miscellaneous	$27 664	$20 335
Interest income	895	445
Disbursements		
Salaries and administration, computer equipment and software	(26 271)	(12 410)
Interest	(785)	(677)
Cash provided by operations	1 503	7 693
FINANCING		
Capital leases — Repayment	(361)	(876)
Government of the Province of Manitoba		
— Health-care program equipment		
— Advance	—	5 660
— Repayment	(338)	(79)
— General		
— Advance	1 475	—
— Repayment	(141)	(1 662)
Health-care program equipment	—	(5 088)
Payments charged to Retirement Plans	(39)	(31)
	596	(2 076)
Cash available for investment	2 099	5 617
INVESTMENT		
Fixed assets	2 094	3 639
Proceeds from disposal of equipment	(2)	(202)
Proprietary software	499	768
Term deposits designated to fund Retirement Plans	775	427
	3 366	4 632
INCREASE IN CASH AND SHORT-TERM DEPOSITS	(1 267)	985
CASH AND SHORT-TERM DEPOSITS — BEGINNING OF YEAR	3 871	2 886
CASH AND SHORT-TERM DEPOSITS — END OF YEAR	$ 2 604	$ 3 871

The accompanying notes are an integral part of these statements

Notes to the Financial Statements ~ December 31, 1988

(Tabulated amounts in thousands of dollars)

1. ORGANIZATION

The Commission was established by the Manitoba Data Services Act on June 15, 1979, without share capital, to provide electronic data processing services to the Government of the Province of Manitoba and government agencies.

2. SIGNIFICANT ACCOUNTING POLICIES

(a) *Basis of Reporting*
The financial statements have been prepared in accordance with generally accepted accounting principles. By virtue of its status as a Crown Commission of the Province of Manitoba, Manitoba Data Services is not subject to income tax.

(b) *Revenue Recognition*
Revenue is recorded as services are provided.

(c) *Fixed Assets*
Fixed assets are recorded at cost and include certain leases, which in substance are purchases, capitalized at the lesser of fair value and the present value of the net minimum lease payments.

Depreciation and amortization of owned and leased assets are provided on a straight-line basis to amortize the cost over their estimated useful lives.

	YEARS
Computer equipment	3 to 4
Furniture and fixtures	5 to 10
Leasehold improvements and proprietary software	3 to 5

(d) *Retirement Plans*
Pension and vested sick leave costs (Note 4) are accrued and charged to operations in the year to which they relate. Payments upon employee retirement or termination are charged to the Retirement Plans liability. Actuarial gains and losses on the pension liability, as determined by a triennial actuarial review, are amortized and charged to operations over a three-year period.

3. MISCELLANEOUS REVENUE

	December 31 1988	(9 months) December 31 1987
Equipment rentals	$ 48	$ 32
Program maintenance	47	29
Client education	33	20
Provincial network	203	33
Other	36	27
	$367	$141

4. RETIREMENT PLANS

(a) *Pension*
All employees of the Commission are required to contribute to the Manitoba Civil Service Superannuation Fund at prescribed rates for defined benefits. The Commission is required to reimburse the Superannuation Fund for 50 per cent of payments made to retired employees. The December 31, 1986, triennial actuarial report indicated a net surplus of $582 000, reflecting pension fund assets of $4 278 000 and an actuarial present value obligation of $3 696 000. This surplus is being amortized to operations on a straight-line basis plus interest over a three-year period ending December 31, 1989.

The actuarial present value of the pension obligation determined in accordance with the formula contained in the triennial actuarial report, including provision for increases in pensions due to increases in the cost of living, at December 31, 1988, is $5 656 000 (December 31, 1987: $4 881 000).

(b) *Vested Sick Leave*
A portion of each employee's unused annual sick leave allowance is vested payable upon termination of employment. The vested amount at December 31, 1988, is $724 000 (December 31, 1987: $565 000).

A portion of the term deposits with the Minister of Finance, Government of the Province of Manitoba, has been designated by the Commission in an amount sufficient to fully fund the Pension liability and shown as Retirement Plans Fund. Interest earned on these designated funds is included in interest income.

5. ADVANCES FROM THE GOVERNMENT OF THE PROVINCE OF MANITOBA

(a) On May 1, 1988, an advance of $770 600 repayable $16 422 monthly, including interest at 10.13 per cent, through April 1993, was received to fund acquisition of a Prime Computer for Manitoba Hydro. Also, on July 1, 1988, an advance of $700 000 repayable $15 000 monthly, including interest at 10.38 per cent, through June 1993, was received to fund Capital acquisitions for Manitoba Data Services.

	(thousands of dollars) 1988	1987
Advances from Province	$1 475	$ —
Repayment of Principal	141	—
	1 334	—
Principal due within one year	252	—
Balance — End of Year	$1 082	—
Interest Expense	$ 91	—

(b) Principal and interest at 11 per cent repayable $935 616 per annum through 1997 for health-care program.

	(thousands of dollars) 1988	1987
Balance - Beginning of Year ...	$5 581	$ —
Advance from Province	—	5 660
Repayment of principal	338	79
	5 243	5 581
Principal due within one year	378	338
Balance - End of Year	$4 865	$5 243
Interest Expense	$ 597	$ 281

6. FIXED ASSETS

	Cost	Accumulated Depreciation and Amortization	December 31 1988 Net	December 1987 Net
Computer equipment				
— Owned	$13 560	$6 551	$7 009	$7 665
— Capital lease .	1 416	972	444	941
Furniture and fixtures	1 062	543	519	448
Leasehold improvements ...	1 101	678	423	481
	$17 139	$8 744	$8 395	$9 535

7. PROPRIETARY SOFTWARE

Proprietary software is shown net of accumulated amortization of $2 458 000 (December 31, 1987: $1 641 000).

8. LEASES

(a) Future minimum payments under capital (computer equipment) and operating (office rental and computer equipment) leases, together with the present value of the net minimum payments under the capital leases, are as follows:

	Leases Capital	Operating
1989	$ 770	$4 427
1990	251	3 076
1991	96	—
1992	32	—
Total minimum lease payments ...	$1 149	$7 503
Less interest element (Weighted average 11 per cent)	109	
Present value of net minimum lease payments	1 040	
Less principal due within one year	719	
Capital equipment leases payable	$ 321	

(b) In 1986 the Commission entered into a 60 month operating lease agreement for a 3090-200 processor. This lease can be terminated by the Commission after 36 months upon payment of a termination fee ($438 000) equal to three months' lease payments. The termination fee is being charged to operations over a 36 month period.

(c) In 1987, the Commission entered into a 36 month operating lease for a 3090-400E processor, which is payable $319 400 per month with an option to purchase in September 1990, for $3.4 million.

9. LONG-TERM ACCOUNTS RECEIVABLE

Term financing is extended to clients for the purchase of computer equipment and for systems development. Principal amounts receivable within one year of $151 000 (December 31, 1987: $47 000) are included in current accounts receivable.

10. HEALTH-CARE PROGRAM

Manitoba Data Services operates the Unisys-based health-care program under the terms of a facilities management agreement with the Manitoba Health Services Commission whereby MDS is guaranteed the full recovery of program costs.

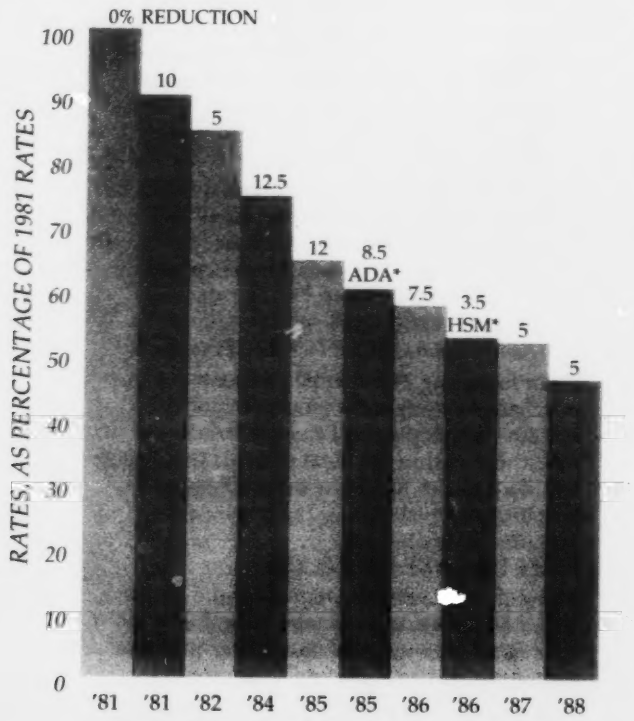
11. RELATED-PARTY TRANSACTIONS

Substantially all revenue earned by the Commission and related accounts receivable are from departments of the Government of the Province of Manitoba, its Crown corporations and agencies.

12. COMPARATIVE FIGURES

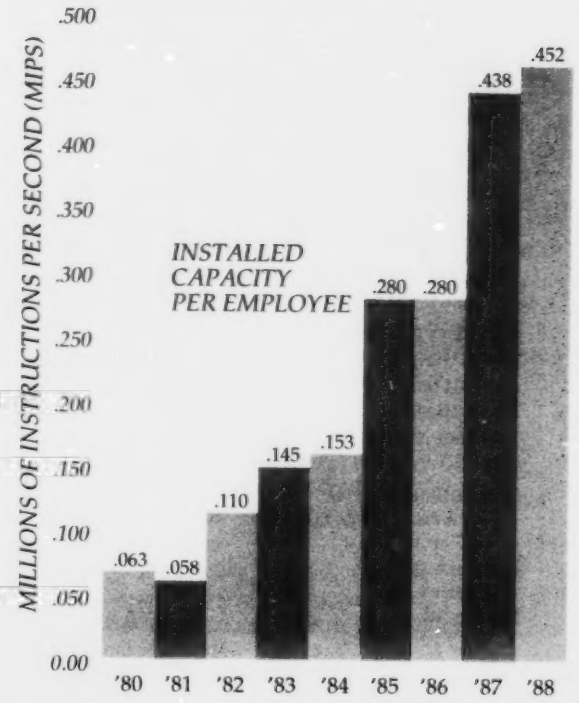
The fiscal year end of the Commission was changed during 1987 by Order in Council from March 31 to December 31. Accordingly, operating figures to December 31, 1987, represent a nine-month period.

CUMULATIVE EFFECT OF RATE REDUCTIONS

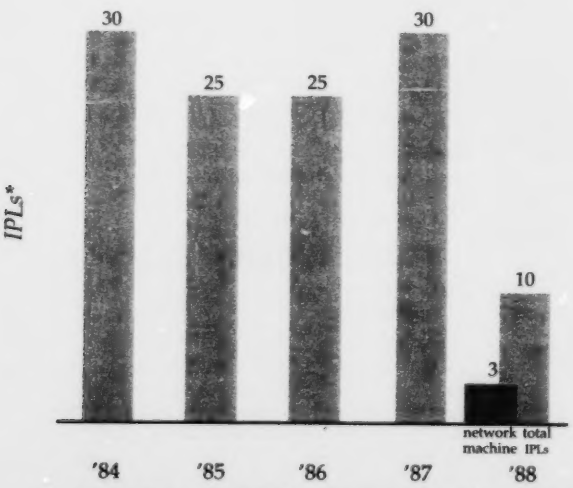


* *Application Development Agreements (ADA) and Installation of Hierarchical Storage Manager (HSM) produced savings equivalent to percentage reductions shown.*

COMPUTING CAPACITY

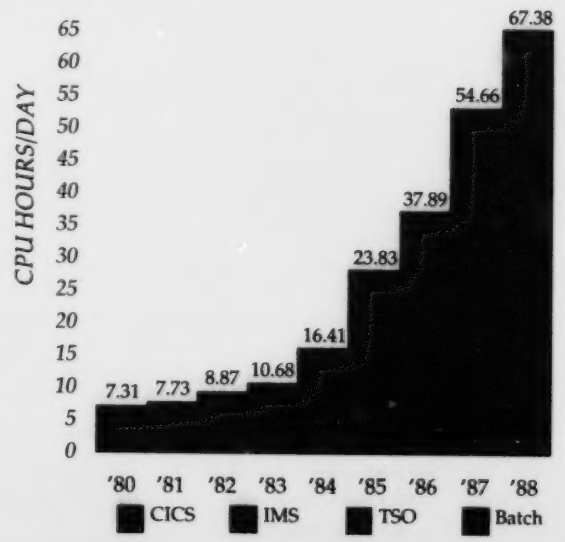


PRIME SHIFT UNSCHEDULED IPLs 1984 – 1988



* *Initial Program Load (IPL) — The process by which a configuration is loaded into storage after a system change or hardware or software malfunction.*

AVERAGE PRIME WORKLOAD



BOARD OF COMMISSIONERS

Chairman of the Board

Robert M. Silver

Commissioners

R. Murray Fraser †
Senior Vice President
Corporate Development
Manitoba Hydro

Rees Jones * ‡
Senior Vice President, Trust
Investors Group Inc.

Christopher Medland † ‡
Vice President
Corporate Finance
Pemberton Securities Inc.

Rod Pennycook *
Executive Vice President
Corporate Resources
The Great West Life Assurance Company

Dennis Wardrop *
Executive Vice President
Manitoba Telephone System

† Member of the Audit Committee
* Member of the Procurement Committee
‡ Member of the Compensation Committee

Ex Officio Members

Peter Aimoe
Computer Operator
Manitoba Data Services

Melissa Pidsadny
Client Support Administrator
Manitoba Data Services

Rick Lussier
Director
Information Systems Support Branch
Manitoba Finance